



Water-Data Report 2008

08071280 Luce Bayou above Lake Houston near Huffman, TX

San Jacinto Basin
East Fork San Jacinto Subbasin

LOCATION.--Lat 30°06'34", long 95°03'35" referenced to North American Datum of 1927, Liberty County, TX, Hydrologic Unit 12040103, on left bank, in Tricontinental Pipeline Co. right-of-way, 1.1 mi upstream from Key Gully, 3.1 mi east of Huffman-Cleveland Road, and 6.3 mi northeast of Huffman.

DRAINAGE AREA.--218 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Water years 1970, 1972, 1975 (occasional low-flow measurements, at site 2.2 mi downstream), Feb. to Apr. 1984 (discharge measurements only), May 1984 to current year.

PERIOD OF RECORD, Water-quality records.--Chemical data: Feb. 1984 to Sept. 1999. Biochemical data: Feb. 1984 to Sept. 1999. Pesticide data: Feb. 1984 to Sept. 1990.

GAGE.--Water-stage recorder. Datum of gage is 39.91 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. No known regulation. There are diversions above station for irrigation, but amounts are unknown. No flow at times. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.6	3.5	49	11	109	72	1.3	2.8	3.7	4.0	0.32	0.38
2	3.5	3.0	29	7.3	106	59	6.9	1.9	4.3	2.5	0.21	0.31
3	2.8	3.3	18	5.5	92	60	3.5	1.9	3.6	2.2	0.14	0.26
4	2.9	3.6	12	4.5	79	89	2.1	1.7	2.7	2.4	0.09	0.23
5	2.6	3.2	13	3.8	70	86	2.0	37	2.0	2.1	0.70	0.24
6	5.1	2.8	9.2	3.5	61	81	32	84	1.7	1.6	3.3	0.36
7	3.2	2.4	11	3.2	48	145	88	82	1.5	1.3	5.5	0.21
8	19	2.1	11	3.0	45	159	58	63	1.5	1.1	2.7	0.13
9	24	1.8	8.1	2.8	35	136	29	16	1.4	0.92	2.0	0.10
10	9.3	1.6	5.6	2.8	22	122	17	3.2	1.1	0.82	2.8	0.06
11	5.8	1.6	3.9	2.5	14	179	12	1.5	1.4	1.0	2.1	0.04
12	3.7	1.4	3.3	2.3	14	214	8.9	4.0	1.5	1.3	1.6	0.02
13	2.7	1.4	4.2	2.3	28	189	6.9	3.4	2.6	1.6	126	468
14	2.7	1.9	4.0	2.8	78	131	5.9	3.0	3.2	1.3	220	5,520
15	34	1.7	8.6	2.6	80	101	5.1	4.3	2.5	1.0	27	7,630
16	142	1.3	21	47	360	82	4.2	72	2.1	0.95	3.5	5,680
17	133	1.2	17	98	1,060	62	3.8	162	1.7	1.6	17	3,520
18	106	39	25	106	2,510	44	5.2	122	1.3	0.71	3.3	2,180
19	75	140	19	292	2,380	36	7.4	78	1.1	0.36	1.9	1,280
20	43	170	15	320	1,550	27	5.7	34	1.3	0.22	0.78	607
21	18	126	11	317	1,510	14	6.2	13	1.3	0.14	80	216
22	9.7	103	62	224	1,100	9.2	e7.3	6.5	3.1	0.09	207	131
23	7.7	77	89	111	843	6.1	e5.0	4.5	2.8	0.07	153	81
24	5.8	82	73	252	587	4.0	4.2	3.4	1.5	0.46	34	73
25	4.7	139	48	359	317	2.9	3.7	2.7	0.91	0.74	14	65
26	3.9	183	26	395	164	2.6	3.2	3.2	1.1	0.73	6.9	55
27	4.1	169	16	283	118	1.9	2.8	3.3	4.8	0.69	2.9	40
28	4.4	130	11	159	98	1.8	2.6	3.6	2.3	0.77	1.6	17
29	7.2	93	14	111	83	1.6	2.3	4.8	8.7	0.65	0.99	9.9
30	6.1	70	16	93	---	1.4	6.0	6.9	7.5	0.52	0.69	8.5
31	4.4	---	14	90	---	1.5	---	3.8	---	0.42	0.51	---
Total	700.9	1,558.8	666.9	3,316.9	13,561	2,121.0	348.2	833.4	76.21	34.26	922.53	27,583.74
Mean	22.6	52.0	21.5	107	468	68.4	11.6	26.9	2.54	1.11	29.8	919
Max	142	183	89	395	2,510	214	88	162	8.7	4.0	220	7,630
Min	2.6	1.2	3.3	2.3	14	1.4	1.3	1.5	0.91	0.07	0.09	0.02
Ac-ft	1,390	3,090	1,320	6,580	26,900	4,210	691	1,650	151	68	1,830	54,710

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	341	186	223	226	316	280	173	196	271	59.2	9.73	89.5
Max	2,988	1,416	862	826	980	878	1,047	2,443	1,965	334	103	919
(WY)	(1995)	(1999)	(1998)	(1992)	(1992)	(1993)	(1991)	(1989)	(1993)	(1987)	(1995)	(2008)
Min	0.01	0.17	1.43	1.06	1.34	1.62	3.06	0.00	0.12	0.01	0.35	0.03
(WY)	(1993)	(1989)	(1989)	(2000)	(2000)	(2000)	(1987)	(2002)	(1998)	(1998)	(1999)	(1992)

08071280 Luce Bayou above Lake Houston near Huffman, TX—Continued**SUMMARY STATISTICS**

	Calendar Year 2007	Water Year 2008	Water Years 1984 - 2008
Annual total	43,086.46	51,723.84	
Annual mean	118	141	198
Highest annual mean			453
Lowest annual mean			13.2
Highest daily mean	1,510	May 5	23,000
Lowest daily mean	0.19	Aug 15	0.00
Annual seven-day minimum	0.66	Aug 11	0.00
Maximum peak flow		8,670	25,900
Maximum peak stage		28.00	35.08
Annual runoff (ac-ft)	85,460	102,600	143,800
10 percent exceeds	402	163	400
50 percent exceeds	26	5.6	8.8
90 percent exceeds	1.8	0.92	0.29

